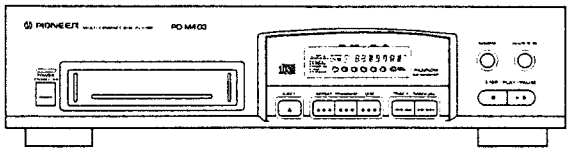
Operating Instructions

MULTI COMPACT DISC PLAYER

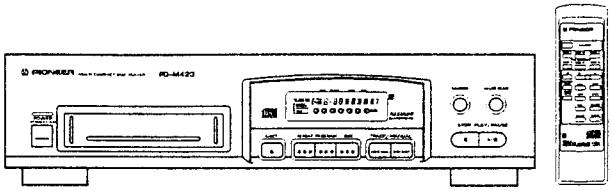
PD-M403
PD-M423

COMPACT disc DIGITAL AUDIO

PD-M403



PD-M423



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE

[For U.S. and Canadian models]
The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model with the polarized plug]
CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
[Pour le modèle canadien avec la fiche polarisée]
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

[For Canadian model]
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

"This product complies with the Low Voltage Directive (73/23/EEC), EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC)."

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

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The Art of Entertainment

223.1

IMPORTANT

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code :

Blue : Neutral
Brown : Live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 5 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows :
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Do not connect either wire to the earth terminal of a three pin plug.

NOTE
After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost replacement fuse covers can be obtained from your dealer.
Only 5 A fuses approved by B.S.I. or A.S.T.A to B.S. 1362 should be used.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC – NATIONAL ELECTRIC CODE

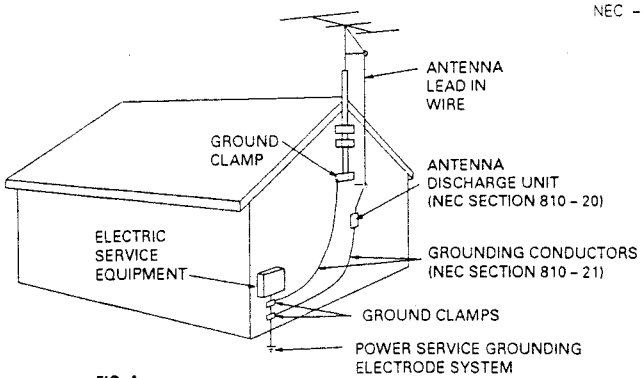


FIG. A

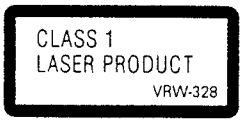
[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: On the rear panel of the player



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

CAUTION (FOR U.S. MODEL)

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

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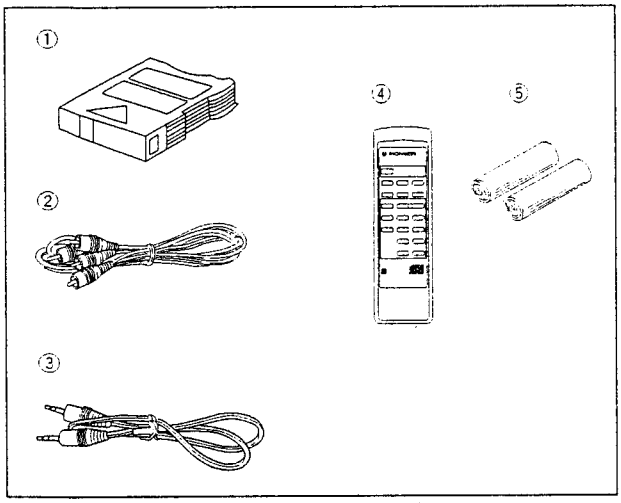
CONFIRM SUPPLIED ACCESSORIES

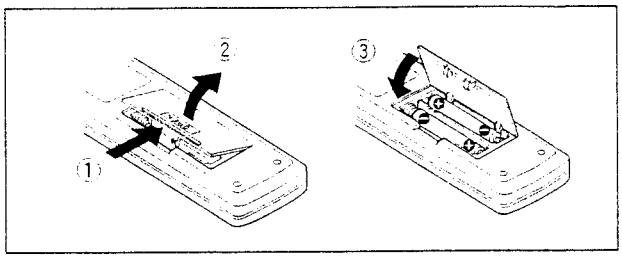


① 6-Compact Disc Magazine x 1
(Called 6-disc magazine in the explanatory text.)
NOTE:
The supplied 6-disc magazine is for 12 cm (5-inch) disc only.
② Output cable x 1
③ Control cable x 1 (except for PD-M423 of Australian and European models)
④ Remote control unit x 1 (PD-M423 only)
⑤ AAA/R03 dry cell batteries x 2 (PD-M423 only)

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

PUT BATTERIES INTO THE REMOTE CONTROL UNIT (PD-M423 only)



Open the lid of the battery compartment on the rear of the remote control unit, and insert the batteries (size "AAA" (IEC R03)), taking care to align the ⊕ and ⊖ polarities correctly.

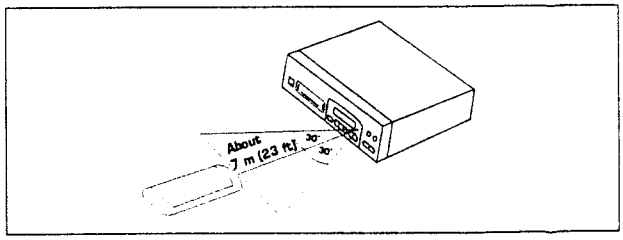
NOTE:

- *In order to prevent battery leakage, remove the batteries when not using the remote control unit for an extended period (one month or more). If leakage occurs, carefully wipe away any battery fluid inside the compartment, and replace the batteries with new ones.*
- *Do not allow books or other objects to rest on top of the remote control unit, since the buttons may be depressed, causing faster exhaustion of the batteries.*

Incorrect use of batteries may cause leakage or rupture.
Always be sure to follow these guidelines:
A. Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖polarities, as shown by the display inside the compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.

REMOTE CONTROL OPERATIONS (PD-M423 only)

When operating the remote control unit, point the unit's infrared signal transmitter at the remote control receiver (REMOTE SENSOR) on the front panel of the player. The remote control unit can be used within a range of about 7 meters (23 feet) from the remote sensor, and within angles of up to about 30 degrees.



NOTE:
If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

NOTE for PD-M403:
Operate the PD-M403 using the remote control unit which accompanies the amplifier. (See page 7.)

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperatures or humidity.
Do not install the player in a location which is exposed to direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Also, installation of the player in a damp or dusty environment may result in a malfunction or accident.

PRECAUTIONS REGARDING INSTALLATION

- Avoid placing the player on heat-generating sources such as amplifiers.
- Install this compact disc player as far as possible from tuners and TV sets. Noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off power to the compact disc player.
- Please place this unit on a level surface.

CLEANING THE PLAYER AND THE MAGAZINE

To clean the PLAYER and the MAGAZINE, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution made by diluting one part detergent to 5 or 6 parts water, wring well, then wipe off the dirt. Use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

STORING DISCS

Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures.

CD LENS CLEANER

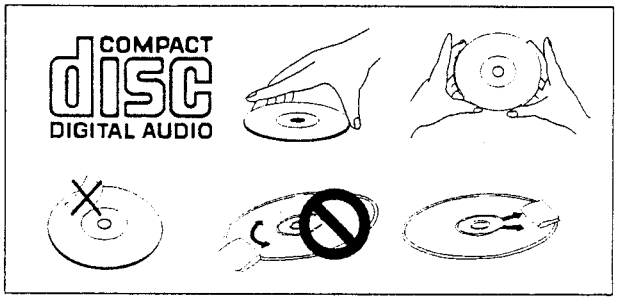
The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, consult your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

CONDENSATION

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises suddenly, condensation may form inside, and the unit may not be able to attain its full performance. If this occurs, allow the unit to stand for about an hour or raise the room temperature gradually.

CLEANING AND HANDLING COMPACT DISCS

- Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.
- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)
- When holding discs, do not touch their signal surfaces (the side reflecting a "rainbow" pattern, opposite the label side). Hold by the edges, or by one edge and the center hole.
- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.



NOTE:

- *In order to play an 8-cm (3-inch) CD you will need a special Multi CD Magazine (JD-M108, JD-M308) which is sold separately. Be sure to thoroughly read the Operating Instructions before using it.*
- *8-cm (3-inch) CD Adapters*
  It is possible that even an adapter which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi CD Magazine (JD-M108, JD-M308) be used.
- *Never load an 8-cm (3-inch) CD or its adapter into a standard 12-cm (5-inch) magazine. This may seriously damage the CD player.*
- *Do not insert only an 8-cm (3-inch) disc and adapter into the supplied magazine.*

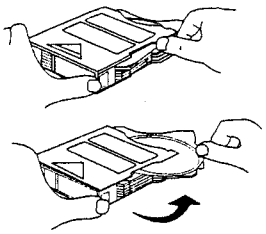
Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.

BEFORE OPERATING THE PLAYER

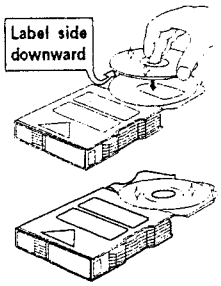
INSERT DISCS INTO THE 6-DISC MAGAZINE

Insert any discs which you may have into the supplied magazine. Up to six discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order downwards to 6 for the lowest tray. The magazine has a window through which the pulled-out disc tray can be checked. Even during playback, the number of the disc being played back can be checked through this window.

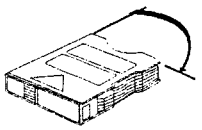
1. Pull out only one disc tray.



2. Position discs with the label side downward.



3. Put the disc tray back as it was originally.



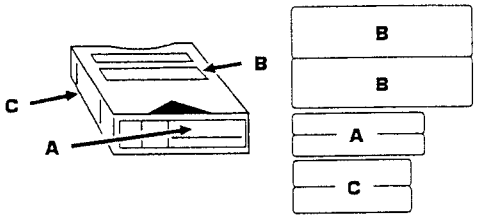
4. Insert other discs by repeating steps 1 to 3.

CAUTION:

- Please make sure to only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)
- If discs are inserted label side upward, it will not be possible for them to be played. Please make sure to insert them with the label side downward.
- Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (iridescent side) with hands or fingers.

AFFIXING LABELS TO THE MAGAZINE

- Always attach the labels provided in the designated locations. Correct operation may not be possible if labels or tape are attached in other locations.
- The following are convenient ways of using labels:
  A: For titles
  B: For disc names
  C: For classification
- Do not attach labels on top of other labels.



Additional magazines identical to the one supplied are available as options (*JD-M100, JD-M200, JD-M300, JD-M108, JD-M308). Please use them to make your own disc library, with separate magazines for each artist or genre.

* JD-M100/JD-M200/JD-M300
  .....Magazine for 12-cm (5-inch) discs
  JD-M108/JD-M308 .....Magazine for 8-cm (3-inch) discs

NOTE:

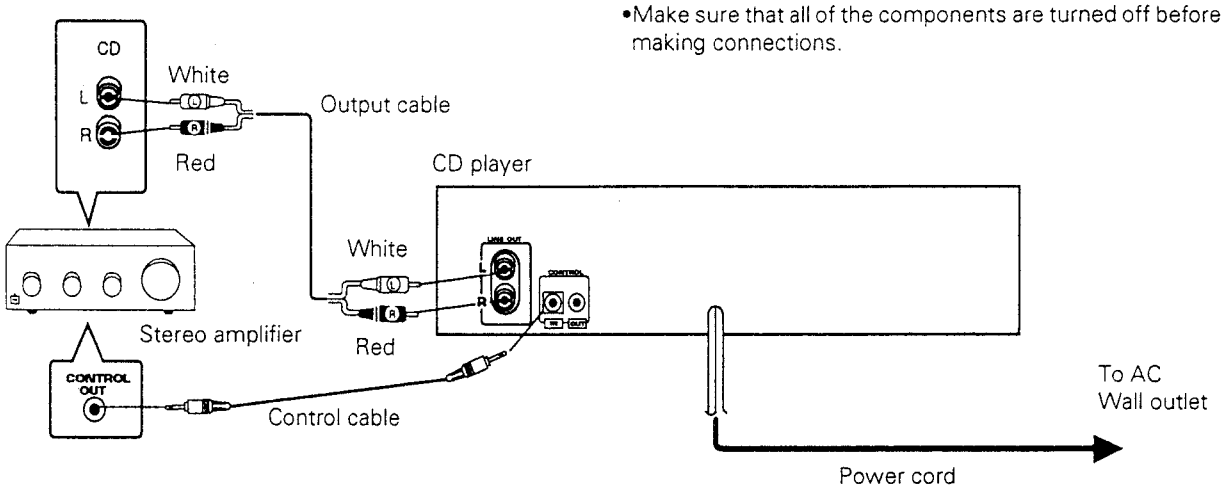
Do not load 8-cm (3-inch) discs into the magazine for 12-cm (5-inch) discs.

For U. S. customers only

You may purchase additional Pioneer six-compact-disc magazines from your dealer. If however, they are not available at your dealer in the United States, you may order from:

PIONEER ELECTRONICS SERVICE, INC.
P.O. Box 1760
2265 East 220th Street
Long Beach, CA. 90801-1760
U.S.A.
Phone toll free: 1-800-228-7221

CONNECTIONS



Making connections

1. **Connect the LINE OUT jacks of this unit to the input jacks (CD or AUX) of the amplifier. Make sure that the white plugs are connected to the left (L) jacks and the red plugs to the right (R) jacks.**
   - Be sure not to connect this unit to the amplifier's PHONO jacks, as sound will be distorted and normal playback will not be possible.
2. **Connect the power cord to a household AC wall outlet or an AC outlet on your amplifier.**
   - Make sure plugs are inserted fully into the jacks and wall outlet.

System remote control with a Pioneer stereo amplifier that has the SR mark

When a Pioneer stereo amplifier bearing the SR mark is used, connect the CONTROL IN jack on the rear panel of the CD player to the CONTROL OUT jack of the amplifier. This will enable the CD player to be controlled using the remote control unit supplied with the stereo amplifier. If you do not plan to use this feature, it is not necessary to connect CONTROL IN/OUT jacks.

- The control cable is supplied with the CD player.
- The remote control unit supplied with the amplifier can be used to control Play, Stop, Pause, Track/Disc Search and Disc Change operations.
- For instructions regarding connections and operation, refer to the operating instruction manual provided with your stereo amplifier.

NOTE:

- *When a control cord is connected to the player's CONTROL IN jack, direct control of the player with the remote control unit is not possible. Operate the player with the remote control unit by aiming it at the amplifier (Except for PD-M423 of Australian and European models)*
- *Be sure to connect both of the control cord's plugs securely to the CONTROL IN and CONTROL OUT terminals. Do not connect only one end of the cable.*
- *Be sure to turn off the power of the amplifier before connecting the power cord and output cord.*

Connecting the power cord

Connect the power cord to a household AC wall outlet or an AC outlet on your amplifier.

- Make sure plugs are inserted fully into the jacks and wall outlet.

AC POWER CORD CONNECTION AND FUNCTIONS

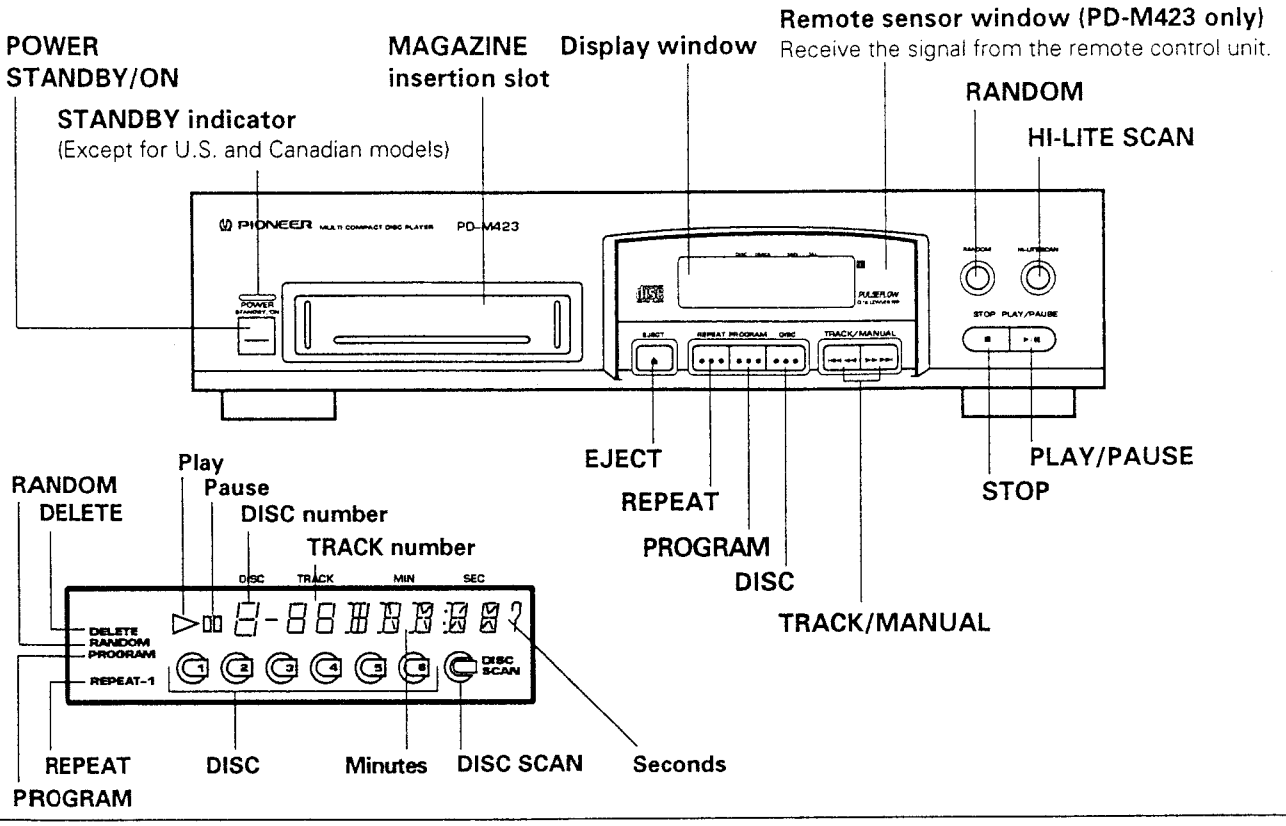
Some functions cannot be carried out depending on the connection of AC power cord.

Function	When the AC power cord is connected to the switched outlet of an amplifier or audio timer	When the AC power cord is connected to the unswitched outlet of an amplifier or wall outlet
Timer playback	Yes	No
Program memory	No	Yes
Delete program memory	No	Yes

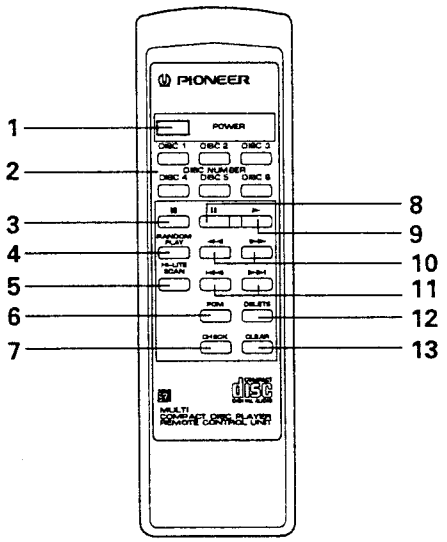
For details, refer to the description of each function in these Operating Instructions.

NAMES AND FUNCTIONS OF PARTS

FRONT PANEL



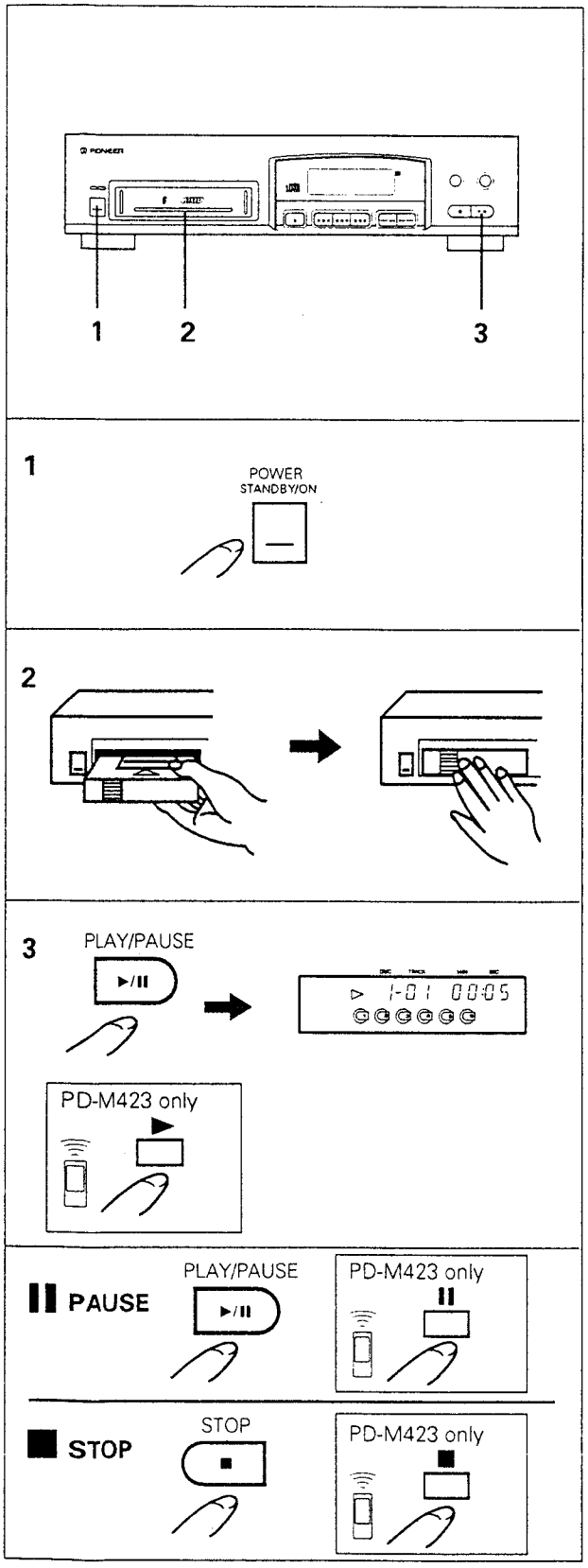
REMOTE CONTROL UNIT (PD-M423 only)



Remote control buttons with the same names or marks as buttons on the front panel of the player control the same operations as the corresponding front panel buttons.

1 POWER button
2 DISC NUMBER buttons (DISC 1-DISC 6)
3 STOP button (■)
4 RANDOM PLAY button
5 HI-LITE SCAN button
6 PGM (program) button
7 CHECK button
8 PAUSE button
9 PLAY button (►)
10 MANUAL search buttons (◄◄ , ►►)
11 TRACK search buttons (I◄◄ , ►►I)
12 DELETE button
13 CLEAR button

BASIC OPERATION



Operations indicated the [ ] mark are performed with the remote control unit.

TO PLAY A COMPACT DISC

1. Turn on the power to the player.

2. Insert a magazine, pushing it in until a click sound is heard.

- Insert the discs to be played into the magazine beforehand. (Refer to "BEFORE OPERATING THE PLAYER" on page 6.)
- When the power is turned off (in standby mode), inserting a magazine automatically turns on the power (Automatic Power On function).

3. Press the ►/II button to start playback.

To pause playback temporarily:

Press the ►/II button during playback. The II indicator lights and playback is paused at that point. Pressing the ►/II button again or ► button resumes playback from the position where pause mode was entered.

To stop playback:

Press the ■ button. The player returns to the beginning of the first track on the disc at which playback was stopped. If the ■ button is pressed twice, the player returns to the beginning of the first track on the first disc and enters stop mode.

NOTE:

When the power is turned off while a magazine is in the player, the player memorizes which disc was played just before the power was turned off. Thus, when the power is next turned on, pressing the ►/II button starts playback from the first track on the memorized disc.

To stop playback and take out the magazine:

Press the EJECT button (⏏), remove the magazine, and then press the POWER switch to turn off the power.
Even when the power is turned off (in standby mode), the magazine will be ejected by pressing the EJECT button. (Power Down Eject)

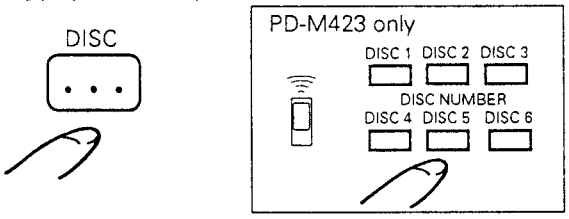
Cautions regarding handling of magazines:

- When inserting a magazine into the player, make sure that the direction of insertion is correct.
- After use, store in the case provided. Do not place in locations subject to high temperatures or exposed to direct sunlight.
- Do not take magazines apart.
- Be careful not to drop, or hit magazines against things. Also do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

VARIOUS OPERATIONS

DISC SEARCH - TO SEARCH FOR A PARTICULAR DISC

During playback or stop mode



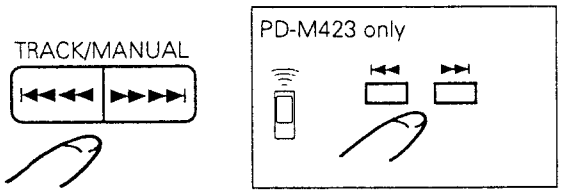
Use the DISC button to select the desired disc number, then press the ▶/II button, or one of the DISC NUMBER (DISC 1-DISC 6) buttons; the player will then search for the selected disc and begin playback from the beginning of the disc.

NOTE:

- *If "no DISC" appears on the display, you have pressed the disc number of a tray which does not contain a disc.*
- *During program playback, Disc Search cannot be carried out.*

TRACK SEARCH - TO SEARCH FOR A PARTICULAR TRACK

During playback, pause or stop mode



When the ▶▶ ▶▶I button is pressed once or a number of times, playback advances to the beginning of a track located after the track being played. The position of the located track corresponds to the number of times the button is pressed. When the I◀◀ ◀◀ button is pressed once, playback returns to the beginning of the track being played. When this button is pressed more than once, playback is returned to a track located before the track being played.

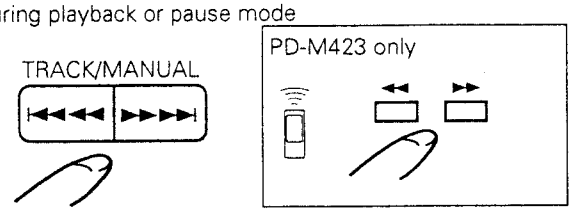
- When the ▶▶ ▶▶I button or I◀◀ ◀◀ button is operated in pause mode or stop mode, press the ▶/II button to start playback.

NOTE:

- *During program playback, the ▶▶ ▶▶I (or ▶▶I) button or I◀◀◀◀ (or I◀◀) button can be used to select the programmed track.*
- *During normal playback, Track Search can be carried out on one disc only. In stop mode, this operation can be carried out from 1st track through 99th track.*

MANUAL SEARCH - TO SEARCH FOR A PARTICULAR PASSAGE

During playback or pause mode

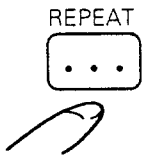


While the ▶▶ ▶▶I button is kept pressed, playback rapidly advances toward the end of the disc. When playback reaches the end of the disc, the player enters pause mode and "END" is displayed. While the I◀◀ ◀◀ button is kept pressed, playback rapidly reverses toward the beginning of the disc. When the desired passage is reached, release the ▶▶ ▶▶I button or I◀◀ ◀◀ button. The player enters original mode (playback or pause) where ▶▶ ▶▶I button or I◀◀ ◀◀ button is released.

NOTE:

- During normal playback, Manual Search can be carried out on one disc only.
- During program playback, Manual Search can be carried out in one program step only.

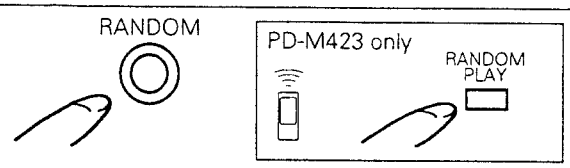
TO REPEAT PLAYBACK (REPEAT PLAY)



To repeatedly play the displayed track, press the REPEAT button once. The REPEAT-1 indicator lights. The REPEAT button can be pressed in any playback mode.
To repeatedly play all tracks on all of the discs in normal playback mode or in the specified playback mode (Program playback, Delete program playback or Random playback), press the REPEAT button twice. The REPEAT indicator lights.

- To exit repeat mode, press the REPEAT button so that the REPEAT-1 or REPEAT indicator goes off.

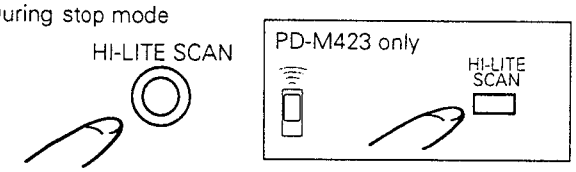
RANDOM PLAYBACK - TO PLAY ALL TRACKS IN RANDOM ORDER



Press the RANDOM play button. All tracks on all discs are played in a random order. To play tracks other than the deleted tracks in a random order, press the RANDOM play button after carrying out the Delete Program procedure. See "Delete Program Playback" on page 14.

MAGAZINE HI-LITE SCAN

During stop mode



When the HI-LITE SCAN button is pressed once during stop mode, playback starts from a point 1 minute after the beginning of the first track, and the first track of each disc is played for about 10 seconds. The DISC SCAN indicator blinks during Disc Scan mode. After the first tracks of all discs are scanned, the player enters stop mode.
When the HI-LITE SCAN button is pressed twice during stop mode, playback starts from a point 1 minute after the beginning of the track, and each track is played for about 10 seconds. The SCAN indicator blinks during Track Scan mode. After all tracks of all discs are scanned, the player enters stop mode.

To exit Magazine Hi-Lite Scan mode:
Press the ■, ►/II or DISC NUMBER (DISC 1-DISC 6) button. When the ►/II button is pressed, normal playback starts from the current point. When the DISC NUMBER (DISC 1-DISC 6) button is pressed, the selected disc is played from the beginning.

NOTE:

- *Hi-Lite Scan can be carried out from the desired elapsed time of the track. During playback, press the HI-LITE SCAN button at the point you want to start Hi-Lite Scan playback. The player memorizes the minute and second of the point and Track Scan playback is carried out from the memorized point on each track.*
- *Each time the HI-LITE SCAN button is pressed, the mode switches between Disc Scan and Track Scan.*
- *Programming of only desired tracks is possible during Track Scan playback. See "Direct program" on page 13.*
- *During Track Scan playback, you can skip to the desired track with the ⏮ ◄◄ button or ►► ⏭ button.*
- *When the REPEAT button is pressed, Hi-Lite Scan playback will be repeated.*
- *When playback time of a track is less than one minute or is shorter than the memorized time, Hi-Lite Scan playback is carried out from the beginning of the track for about 10 seconds. When playback time of a track is less than 10 seconds, the track is played from the beginning to the end.*

Timer playback:
By using a commercially available audio timer, it is possible to initiate playback at any time automatically.
1. Insert a magazine into the magazine slot.
2. Set the time at which you wish playback to begin.

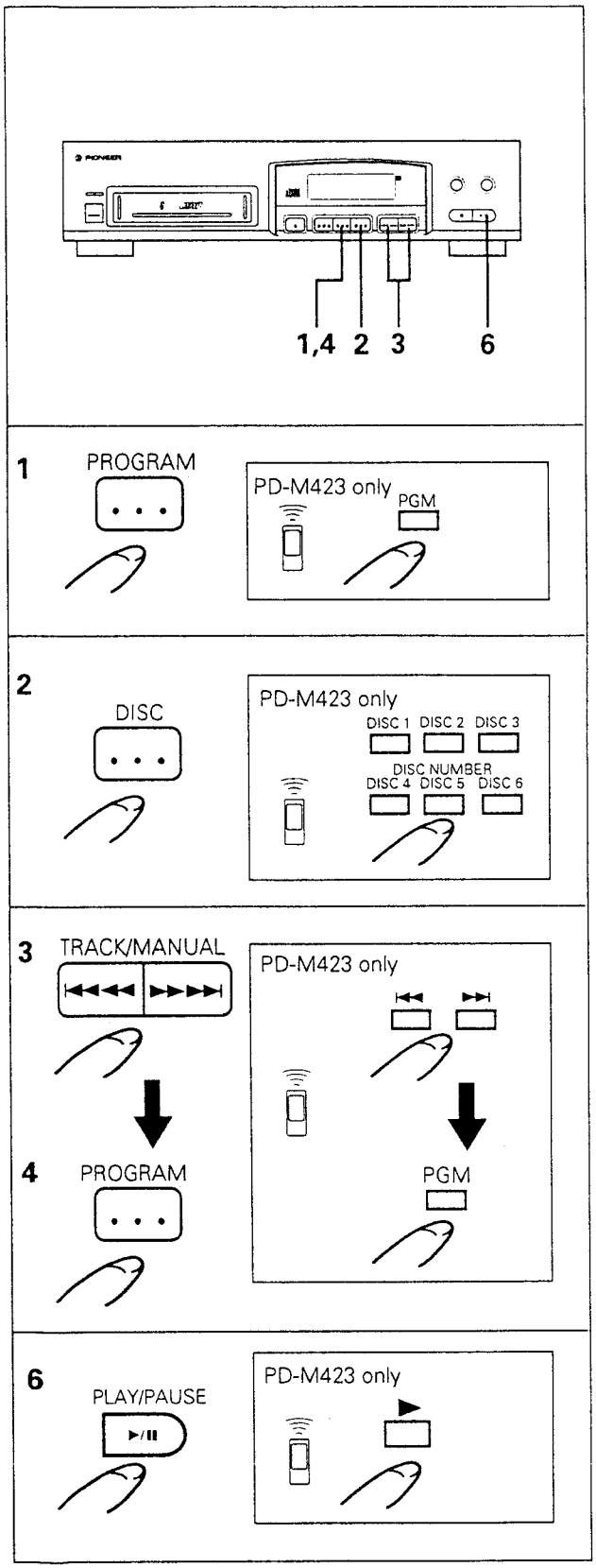
The timer will supply power to both the amplifier and the player at the preset time, turning all the components on and initiating the playback mode. Playback starts from the first track on the first disc.

Caution:

- Do not unplug the power cord or do not turn off the power with an audio timer during playback, as this could result in damage to the disc.
- If a power failure occurs while the power is turned off (standby mode), the power is automatically turned on with the timer playback function when the power is restored.

THEREFORE, DISCONNECT THE AC POWER CORD WHEN THE PLAYER IS NOT USED FOR A LONG PERIOD OF TIME.

TO PLAY ONLY DESIRED TRACKS/DISCS



PROGRAM PLAYBACK - TO PROGRAM TRACKS/DISCS IN DESIRED ORDER

1. **With the player stopped, press the PROGRAM button, so that the PROGRAM indicator lights.**
2. **Use the DISC button or one of the DISC NUMBER buttons to select the desired disc number.**
   The selected disc number will be displayed.
3. **Then, press the ⏮ ◀◀ or ▶▶ ⏭ button to select the desired track.**
   The selected track number will be displayed.
4. **Finally press the PROGRAM button, or wait for about two seconds; the program will be stored in memory.**
   If the PROGRAM button is pressed after selecting only the disc number, the "AL" indicator will appear, indicating selection of the "Disc All Program" mode (the entire contents of the disc is entered into the program as a single step). While the "AL" indicator is displayed, however, if the ⏮ ◀◀ or ▶▶ ⏭ button is used to designate a track number and the PROGRAM button is then pressed (or after two seconds elapses), the selected track will be stored as that program step.
5. **Repeat steps 2, 3 and 4 to program other tracks.**
6. **Press the ▶/II button.**
   The tracks are played in the programmed order. When all programmed tracks have been played, the player enters stop mode.

NOTE:
When a track is selected with the ⏮ ◀◀ or ▶▶ ⏭ button in step 3, the displayed track No. is automatically programmed if the ⏮ ◀◀ or ▶▶ ⏭ button is not pressed within 2 seconds. Therefore, be sure to press the ⏮ ◀◀ or ▶▶ ⏭ button sequentially until the desired track No. appears on the display.

To stop Program playback, Press the ■ button.

To exit program mode:
During program playback, select a DISC No. with the DISC NUMBER button and then press the ▶/II button. The player enters normal playback mode and playback starts from the beginning of the selected disc.

- Programs containing up to 32 steps can be created.
- To go to the previous or next step in a program, press the ⏮ ◀◀ or ▶▶ ⏭ button.
- If the magazine is in the player, the program contents will not be erased even if the power is turned off.

NOTE:
During Delete programming the PROGRAM button cannot be operated.

Direct Program:
During normal playback or Magazine Hi-Lite Scan playback, the track being played can be programmed.

1. **Press the PROGRAM button to enter the program mode.**
2. **To search for a desired track during normal play back, it is possible to skip to succeeding tracks by pressing the ⏮ ◀◀ or ▶▶ ⏭ button.**
   Also, Magazine Hi-Lite Scan function can be used to move from track to track through the disc.
3. **If you wish to program the track currently playing, press the PROGRAM button while the track is playing.**

- Direct programming is not possible during program playback.

To check the program contents (PD-M423 only):
During program mode, set the player to stop mode and press the CHECK button on the remote control unit. The program contents will be displayed in the programmed order.

- After confirming the last program step, the display will show "0-00".

PROGRAMMING A PAUSE (PD-M423 only)

Inserting a pause in your program can be very useful when carrying out recording. Press the ⏸ button on the remote control unit instead of entering a track number. "PA" appears on the display panel.

- For example, when recording on both sides of a cassette tape, if you program a pause after the last track to be recorded on the first side, program playback will pause at that point to allow you to switch tape sides. To resume program playback after the player enters pause mode, press the ⏸ button on the remote control unit or ▶/⏸ button on the front panel.

NOTE:

- *A pause can be programmed only when the program procedure is performed under stop mode.*
- *A pause cannot be programmed at the beginning of a program (P-01), nor can two pauses be programmed one after the other*
- *A pause inserted in a program is counted as one step.*
- *If a pause is programmed as the last step of a program, the player will not enter the pause mode.*

To erase a program (PD-M423 only):
During program mode, press the CLEAR button on the remote control unit.
The last program step is erased and the contents of the previous program step are displayed.

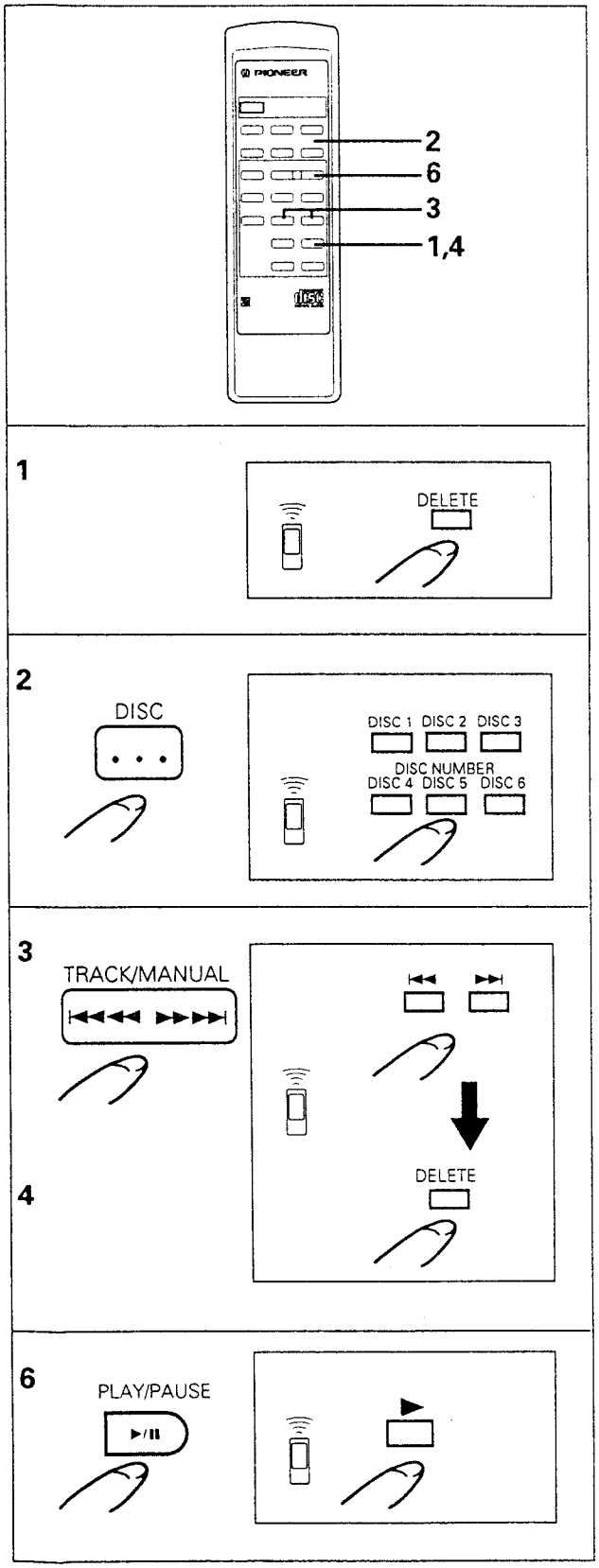
NOTE:
Contents of a program can be erased during playback as well. However tracks preceding the currently playing track cannot be erased in this way.

To clear all of the program contents:
A. During stop mode, press the ■ button.
B. When the magazine is ejected, the program contents will be cleared.

To modify the program contents (PD-M423 only):

1. **During program mode, set the player to stop mode and press the CHECK button on the remote control unit so that the program step to be corrected appears on the display.**
2. **Enter the new disc number with the DISC NO. buttons and then press the ⏮ ◀◀ or ▶▶ ⏭ button so that the new track No. appears on the display.**
3. **Press the PROGRAM button.**
   - Repeat steps 1 through 3 to change other tracks as desired.
   - If the ⏮ ◀◀ or ▶▶ ⏭ button is not pressed within 2 seconds when correcting the track No., the displayed track No. is automatically memorized.

TO PLAY ONLY DESIRED TRACKS/DISCS



DELETE PROGRAM PLAYBACK - TO DELETE UNDESIRED TRACKS/DISCS (PD-M423 only)

1. **With the player stopped, press the DELETE button, so that the DELETE indicator lights.**
2. **Use the DISC button or one of the DISC NUMBER buttons to select the disc number.**
   The selected disc number will be displayed.
3. **Then, press the ⏮ ◀◀ or ▶▶ ⏭ button to select the track number.**
   The selected track number will be displayed.
4. **Press the DELETE button, or wait two seconds; the track to be deleted will be input.**
   If the DELETE button is pressed after selecting the disc number only, the "AL" indicator will appear, indicating selection of the "Disc All Delete" mode (the entire disc contents will be deleted from the program memory). While the "AL" indicator is displayed, however, if the ⏮ ◀◀ or ▶▶ ⏭ button is used to designate a track number and the DELETE button is then pressed (or after two seconds elapses), the selected track will be deleted as that program step.
5. **Repeat steps 2, 3 and 4 to delete other tracks.**
6. **Press the ▶/II button.**
   All tracks other than deleted tracks/discs are played in the order of the discs and track numbers. When tracks have been played, the player enters stop mode.

NOTE:
When a track is selected with the ⏮ ◀◀ or ▶▶ ⏭ button in step 3, the displayed track No. is automatically programmed if the ⏮ ◀◀ or ▶▶ ⏭ button is not pressed within 2 seconds. Therefore, be sure to press the ⏮ ◀◀ or ▶▶ ⏭ button sequentially until the desired track No. appears on the display.

To stop Delete program playback, Press the ■ button.

- Track No. 33 or above cannot be deleted.
- To go to the previous or next disc/track other than the deleted disc/track, press the ⏮ ◀◀ or ▶▶ ⏭ button.
- If the magazine is in the player, the delete program contents will not be erased even if the power is turned off.

NOTE:
After programming for Program playback or during Program playback mode, Delete programming can not be carried out.

To clear all of the Delete program contents:

Ⓐ During stop mode, press the ■ button.
Ⓑ When the magazine is ejected, the program contents will be cleared.
Ⓒ Press the CLEAR button on the remote control unit during stop mode or play mode. When the CLEAR button is pressed during Delete program playback mode, the player enters normal playback mode.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Magazine is not expelled when the EJECT button is pressed.	• Power plug is disconnected from outlet.	• Connect plug to amplifier or wall outlet.
When playback is started, it stops immediately. Pauses or stops during playback.	• Disc is loaded upside down. • Smudges, etc., on the disc.	• Load the disc correctly with the label side DOWN. • Clean the smudges from the disc and then play it again.
No sound	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Pin plugs and/or amplifier terminals are dirty. • Player is in pause mode.	• Connect properly. • Check the settings of amplifier switches and sound volume controls. • Clean away dirt. • Press the ►/II (► or II) button.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs and/or amplifier terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier's AUX or CD terminals. Do not connect to PHONO terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
The picture of the TV screen is fluctuating or FM broadcast has noise interference.	• Interference is being picked up from the CD player.	• Turn off POWER to the player, or move the player away from TV or tuner.
Remote control will not function. (PD-M423 only)	• Dead batteries. • Too far from player or wrong angle. • Obstruction between player and remote control unit.	• Replace batteries. • The distance between remote control unit and player should be no more than about 7 meters (23 feet). The operational angle against the front panel is within 30° from right or left end of player. • Relocate remote control unit or remove obstruction.

SPECIFICATIONS

General

Type ..... Compact disc digital audio system
Power requirements
U.S. model ..... AC 120 V, 60 Hz
U.K.,European and Australian models
..... AC 220-240 V, 50/60Hz
Power consumption
U.S.model ..... 10 W
U.K.,European and Australian models ..... 12 W
Operating temperature ..... +5°C-+35°C
(+41°F- +95°F)
Weight (without package) ..... 3.7 kg (8 lb, 3 oz)
External dimensions ..... 420(W) x 294 (D) x 105 (H) mm
16-9/16 (W) x 11-9/16 (D) x 4-1/8 (H) in

Audio section

Frequency response ..... 2 Hz – 20 kHz
S/N ratio ..... 98dB or more (EIAJ)
Dynamic range ..... 95dB or more (EIAJ)
Harmonic distortion ..... 0.005% or less (EIAJ)
Output voltage ..... 2.0 V
Wow and flutter ..... Limit of measurement
(0.001% W.PEAK) or less (EIAJ)
Channels ..... 2-channel (stereo)

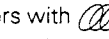
Output terminal

Audio line output
Control input/output jacks (Except for PD-M423 of Australian model.)

Accessories

- Remote control unit (PD-M423 only) 1
- Size AAA/R03 dry batteries (PD-M423 only) 2
- Six-compact-disc magazine 1
- Control cable
(Except for PD-M423 of Australian and European models) 1
- Output cable 1
- Operating instructions 1

Specifications and design subject to possible modification without notice, due to improvements.

The Magazine Type Multi CD Players with  mark and the Magazines with the same mark are compatible for 5 inch (12 cm) discs.

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